

A FLORISTIC CHECK-LIST OF THE OTWAY REGION, VICTORIA

By A. C. BEAUGLEHOLE*, G. W. CARR** and R. F. PARSONS**

This paper presents a check-list of the vascular plant species found in the Otway Region. It is based largely on previously unpublished field work, supplemented by reliable published and unpublished records as shown in the check-list heading and includes also Beauglehole and Finck (1967) and Carr (1971) updated where necessary in the light of more recent knowledge. As a number of records in Adcock (1895) appear certain to be from the Basalt Plains and elsewhere, his list has not been used here.

The area covered is made up of 8 Descriptive Blocks from the Corangamite Study Area (see check-list heading) plus part of the Torquay Block of the Melbourne Study Area as far to the north-east as a line joining Bells Beach with Wurdiboluc Reservoir (see Victoria: Land Conservation Council 1973, 1976 for definition of Blocks). Thus the study area stretches from Port Campbell National Park and its surroundings in the west to just past the Anglesca River in the east. No Basalt Plains country is included.

The field work was concentrated mainly on Public Land and records are presented partly in terms of the Descriptive Blocks mentioned above. To indicate as accurately as possible the conservation status of every species, care has been taken to distinguish those species at present known only from private property in the area. Very broad abundance categories indicating approximately how many plants of the species were seen in total in any given Block during the course of the work are as follows: *very common* = seen in thousands, *common* = seen in hundreds, *rare* = seen in dozens, *very rare* = less than two dozen. Certain abundant species are nevertheless confined to restricted colonies of a few square metres. Where no entry has been made in any of the Block columns, the species is known from the study area without precise locality.

Nomenclature follows Wakefield (1975) for Pteridophyta, Vickery (1970) for *Poa*, Amor and Miles (1974) for introduced *Rubus* spp., Aston (1973) for aquatics and Willis (1970, 1972) for all other

species unless species authors are given. *Thelymitra* sp. and *Prasophyllum* sp. (from Anglesca) are the taxa formerly incorrectly referred to as *T. aristata* and *P. nigricans* respectively (George 1971). *Eucalyptus* aff. *cypellocarpa* refers to intermediates between this species and *E. goniocalyx* (see Parsons, Kirkpatrick & Carr 1977). Since the list was prepared it has been realized that the name *Montia australasica* (Hook.f.) O. Nilss. and the name *Marianthus procumbens* (Hook.) F. Muell. (McGillivray 1975).

For groups where nomenclature in general follows Willis (1970, 1972), more recent taxonomic revisions necessitate some name changes. These are listed here in pairs with the name used by Willis (1970, 1972) listed second: *Acacia genistifolia* — *A. diffusa*, *Acetosella vulgaris* — *Rumex acetosella*, *Arthrochilus huntianus* — *Spiculaea huntiana*, *Bedfordia arborescens* — *B. salicina*, *Calochilus herbaceus* — *C. saphrophyticus*, *Centaurium tenuiflorum* — *C. pulchellum*, *Empodisma minus* — *Calorophus lateriflorus*, *Gnaphalium gymnocephalum* — *G. japonicum*, *G. sphaericum* — *G. involucreatum* (in part), *Hibbertia empetrifolia* — *H. astrotricha*, *Juncus kraussii* — *J. maritimus*, *Leporella fimbriata* — *Leptoceras fimbriatum*, *Luzula meridionalis* — *L. campestris* (in part), *Microlepidium pilosulum* — *Capsella pilosula*, *Paracaleana minor* — *Caleana minor*, *Parahebe derwentiana* — *Veronica derwentiana*, *P. perfoliata* — *V. perfoliata*, *Paspalum paspalodes* — *P. distichum*, *Patersonia occidentalis* — *P. longiscapa*, *Phalaris aquatica* — *P. tuberosa*, *Phragmites australis* — *P. communis*, *Pterostylis plumosa* — *P. barbata*, *Scirpus marginatus* — *S. antarcticus*, *S. pungens* — *S. americanus*, *Sisyrinchium pulchellum* — *Libertia pulchella*, *Solanum opacum* — *S. nodiflorum*. In some cases these changes only necessarily apply to material from within the present study area. The species listed here as *Thelymitra* sp. (formerly called *T. aristata*) is now known to be *T. megalyptra* Fitz.

*3 Beverley St., Portland, Victoria 3305.

**Botany Department, La Trobe University, Bundoora, Victoria 3083.

Through space limitations only a few plant community categories could be shown. However, some attempt is made to separate records in areas geologically Tertiary where soils are usually infertile, highly acidic and sandy, from records in Cretaceous areas where soils are generally more fertile and heavier-textured. These soil differences are associated with floristic differences, Tertiary areas usually having more sclerophyllous species than Cretaceous ones. However, community T (see check-list heading) includes some non-sclerophyllous, more or less grassy understories from both *Eucalyptus sideroxylon* stands on relatively fertile Tertiary areas and from *E. viminalis* stands on Quaternary sands (see Parsons, Kirkpatrick & Carr 1977). Communities H and S are both from Tertiary areas.

From the study, more detailed distributional and community data are available for each species than can be printed here. Complete floristic lists were made from about 35 separate areas, each subdivided into component plant communities. If finance were available the data could at least be presented in terms of grid areas bounded by 10 minutes of latitude and longitude, and this would be highly desirable in terms of conservation and land utilization strategy (Churchill and de Corona 1972).

The check-list records 1099 vascular plant species; 844 native and 257 naturalized aliens* (presumed hybrid taxa excluded in all cases). This survey records as new for Victoria *Deyeuxia decipiens* (F. Muell.) J. W. Vickery, previously known from New South Wales and Queensland, *Stipa tenuiglumis* Hughes previously known from South Australia, as well as the South American *Plantago australis* Lam. as a naturalized alien (representative specimens held at the National Herbarium of Victoria are A. C. Beauglehole Nos. 43909 and 21412 and G. W. Carr No. 1097 respectively). *P. australis* is also known as recent collections from both Wilsons Promontory and Tasmania (Dr. B. G. Briggs personal communication). Four garden escapes are also recorded as naturalized for the first time.

In all, 47 species of native plants reach the absolute western-most limit of their distribution in the area. 27 of these (including 12 ferns) are species characteristic of wet forest (*Nothofagus* closed-forest or tall open-forests of the *Eucalyptus regnans* type); this is in keeping with the fact that the Otways region is the furthest west in the state where recorded mean annual rainfall exceeds 119 cm (47 in.). In contrast, only 18 species reach their easternmost limits in the area, including 6 coastal species and 7 heath species.

It can be seen from the check-list that specimens were collected of *Poa*, *Deyeuxia* (two separate taxa), *Since the list was prepared, *Toxanthus muelleri* (Block O, vr) and *Scirpus subtilissimus* (Block C.r) have been recorded.

Caladenia, *Galium* and *Olearia* which cannot at present be determined to species level; some at least represent undescribed taxa. In addition an unresolved, robust grass species has been found near Cape Otway. Clearly much more study is needed before the floristics of the Otway region are clearly understood.

We gratefully acknowledge Dr. L. A. S. Johnson and staff of the New South Wales National Herbarium for identification of difficult taxa within the families Poaceae, Cyperaceae, Juncaceae, Plantaginaceae and Rubiaceae, Mr. R. J. Chinnock, Herbarium of South Australia, for identification of some ferns and Dr. J. H. Willis for assistance over a long period. We are grateful to the following for valuable orchid data: Mr. G. A. Barfoot, Mr. and Mrs. W. Mathieson and family, Mr. B. McDonald, Mrs. F. Negredo, Mr. I. Whytcross and Mr. G. R. Young. A.C.B. thanks the Land Conservation Council of Victoria for financial support.

REFERENCES

- ADCOCK, G. H., 1895. Census of plants from the Cape Otway forest. *Geelong Nat.* 5.
- AMOR, R. L. & MILES, B. A., 1974. Taxonomy and distribution of *Rubus fruticosus* L. agg. (Rosaceae) naturalized in Victoria. *Muelleria* 3: 37-62.
- ASTON, H. I., 1973. *Aquatic Plants of Australia*. Melbourne Univ. Press, Melbourne.
- BEAUGLEHOLE, A. C. & FINCK, E. W., 1967. Indigenous vascular flora of Port Campbell National Park. Victoria: National Parks Authority (mimeo.)
- CARR, G. W., 1971. Vegetation of the Cape Otway-Parker River region — Part 3. *Geelong Nat.* 8 (Suppl.): 1-9.
- CHURCHILL, D. M. & DE CORONA, A., 1972. *The Distribution of Victorian Plants*. Royal Botanic Gardens, Melbourne.
- GEORGE, A. S., 1971. A check-list of the Orchidaceae of Western Australia. *Nuytsia* 1: 166-196.
- HENDERSON, R. J. F., 1974. *Solanum nigrum* L. (Solanaceae) and related species in Australia. *Contrib. Qld. Herb.* No. 16.
- MCGILLIVRAY, D. J., 1975. *Billardiera* Sm. and *Rhytidosporum* F. Muell. (Pittosporaceae) in New South Wales. *Telopea* 1: 55-57.
- NICHOLLS, W. H., 1933. Orchid notes and new records. *Vict. Nat.* 49: 229-230.
- , 1940. Some orchid notes. *Ibid.* 57: 83-84.
- , 1942. An interesting *Caladenia*. *Ibid.* 58: 178-180.
- PARSONS, W. T., 1973. *Noxious Weeds of Victoria*. Inkata Press, Melbourne.
- PARSONS, R. F., KIRKPATRICK, J. B. & CARR, G. W., 1977. Native Vegetation of the Otways Region. *Proc. R. Soc. Vict.* 89:
- SPECHT, R. L., 1970. Vegetation. In *The Australian Environment*. Ed. G. W. Leeper. 4th ed. CSIRO, Melbourne.
- VICKERY, J. W., 1970. A taxonomic study of the genus *Poa* L. in Australia. *Contrib. N.S.W. Nat. Herb.* 4: 145-243.

- VICTORIA: LAND CONSERVATION COUNCIL, 1973. Report on the Melbourne Study Area. Land Conservation Council, Melbourne.
- , 1976. Report on the Corangamite Study Area. Land Conservation Council, Melbourne.
- WAKEFIELD, N. A., 1975. *Ferns of Victoria and Tasmania*. 2nd ed. revised by J. H. Willis. Field Naturalists Club of Victoria, Melbourne.
- WILLIAMSON, H. B., 1928. Easter camp-out, excursion to Forrest. *Vict. Nat.* 45: 11-13.
- WILLIS, J. H., 1948. On the nature and distribution of 'Moonah' (*Melaleuca pubescens* Schauer). *Ibid.* 65: 76-84.
- , 1957. Vascular flora of Victoria and South Australia. *Ibid.* 73: 149-160, 188-202.
- , 1970. *A Handbook to Plants in Victoria*. Vol. I, 2nd ed. Melbourne Univ. Press, Melbourne.
- , 1972. *A Handbook to Plants in Victoria*. Vol. II, Melbourne Univ. Press, Melbourne.

THE CHECK-LIST (pp. 102-121)

vc = very common, c = common, r = rare, vr = very rare, + = record for which abundance not known. Abundance symbols underlined = known only from private property, abundance symbols in brackets = not known whether record from public land or private property.

* = naturalized alien, W = species reaches westernmost limit in area, E = species reaches easternmost limit in area, N = noteworthy record; either isolated or rare in Victoria or unusual form, A = first record of species as naturalized alien in Victoria, X = presumed hybrid.

Block symbols: H = Heytesbury, C = Carlisle, R = Aire River, O = Cape Otway, T = Tanybryn, P = Pennyroyal, B = Birregurra, S = Salt Creek, A = Anglesea (Torquay Block).

Community symbols: N = *Nothofagus* closed forest

and *Eucalyptus* open-forest more than 40 m high, F = open-forest less than 40 m high on Cretaceous, T = open-forest less than 40 m high on Tertiary sediments or Quaternary sands, H = shrubby woodland or heath, C = coastal complex, M = salt marsh, W = swamps, ponds, watercourses, rivers, soaks, S = *Leptospermum juniperinum* — *Melaleuca squarrosa* closed-scrub (records from Aire River and Cape Otway Blocks only), D = disturbed; roadsides, clearings, etc.

Data sources other than present authors: 1 = J. Agar, personal communication (p.c.), 2 = Amor and Miles (1974), 3 = Aston (1973), 4 = E. Bound p.c., 5 = J. Burgess p.c., 6 = R. J. Chinnock p.c., 7 = Henderson (1974), 8 = B. A. Fuhrer p.c., 9a,b,c = Nicholls (1933, 1940, 1942), 10 = Parsons (1973), 11 = A. Thornley p.c., 12 = Wakefield (1975), 13 = Williamson (1928), 14a,b,c,d = Willis (1948, 1957, 1970, 1972), 15 = F. Poole p.c.

Floristic Check-list of the Otway Region

S P E C I E S	B L O C K										C O M M U N I T Y								
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D	
<i>Acacia aculeatissima</i>								r					H						
<i>A. armata</i>								vr	vc			T	H	C					
* <i>A. baileyana</i>					r	c	vr		vc				H					D	
<i>A. dealbata</i>									vc		F		H						
* <i>A. decurrens</i>									r				H					D	
* <i>A. floribunda</i>									vr									D	
<i>A. genistifolia</i> Link	r	c							vc			T	H						
<i>A. gunnii</i> N									vr			T							
* <i>A. longifolia</i>									c			T	H						
<i>A. longifolia</i> var. <i>sophorae</i>	r			vc	vc				vc					C					
<i>A. mearnsii</i>				vr	vr	r	vr	vr	c				T	H					
<i>A. melanoxylon</i>	c	vc	c	vc	vc	c			vc	N	F	T	H						
<i>A. mitchellii</i>									vr				H						
<i>A. mucronata</i>	vc	vc	vc	vr	vc	vc	vc	vc	vc	N	F						S		
<i>A. myrtifolia</i>	vc	c		vc		c	r	vc	vc			T	H	C					
<i>A. nanodsalbata</i> N W 14b		vc	vc		vc	vc	vc		vc			T							
<i>A. oxycedrus</i>									r			T							
<i>A. pycnantha</i>							vr	c	vc			T	H	C				D	
* <i>A. saligna</i>	vr								c				H	C					
<i>A. stricta</i>	vc	vc		vc	vc	c	vc	vc	vc		F	T	H				S		
<i>A. suaveolens</i>		vc					vr	c	vc				H						
* <i>A. terminalis</i>									vr				H					D	
<i>A. verniciflua</i>		vc	vc	vr	vc	vc			vc	N	F	T	H						
<i>A. verticillata</i>	vc	vc	vc	vc	vc	vc	vc	vc	vc	N	F	T	H	C			S		
<i>A. verticillata</i> var. <i>latifolia</i> N W					c	c			vc				H	C					
<i>A. verticillata</i> var. <i>ovoidea</i>	c				c	vc			vc				H	C					
<i>Acasna anserinifolia</i>	vc	vc	vc	vc	vc	vc	vc	vc	vc	N	F	T	H	C				D	
<i>A. echinata</i>	r			vc	c	r		r	vc			T	H	C					
* <i>Acetosella vulgaris</i> Fourr.	r	c	r	vc	r	r		vr	vc				H	C				D	
* <i>Achillea millefolium</i>					r													D	
<i>Acianthus caudatus</i>	c	r					vr		vc				H						
<i>A. exsertus</i>	c			c			c	c	vc			T	H	C					
<i>A. reniformis</i>	r			vc			c	c	vc				H	C					
<i>Acrotriche affinis</i>	r			c					c					C					
<i>A. prostrata</i>	c			r			r		r	F		T							
<i>A. serrulata</i>	vc	r		c		r	vc	vc	vc			T	H						
<i>Adiantum asthiopicum</i>	c			vc	vc		c	vc	vc		F	T	H	C					
<i>Adriana klotzschii</i>	vr													C					
* <i>Agapanthus orientalis</i>					r													D	
*X <i>Agropogon littoralis</i>				r												W			
<i>Agropyron scabrum</i>	r			r										C					
<i>Agrostis avsnacea</i>	c	vr	r	c	c	c	r	r	vc		F	T	H	C				D	
<i>A. billardieri</i>				c					c					C			S		
* <i>A. gigantea</i>				vr										C					
<i>A. himsalis</i> N W							c									W			
<i>A. rudis</i>	r	c		r	vc	vc				N	F	T							
* <i>A. semiverticillata</i> 14c				r					(+)					C					
* <i>A. stolonifera</i>				vc														D	
* <i>A. tenuis</i>	c	vc		c	vc	vc	r	vr	vc									D	
* <i>Aira caryophyllsa</i>	vc	vc		vc	c	c	r	vc	vc				H	C				D	
* <i>A. prascor</i>	r	r					r					T							
<i>Ajuga australis</i>	r			vc					vc				H	C					
* <i>Albizia lophantha</i>	vr		r	r	c				vc				H	C					
* <i>Allium triquetrum</i>	vr	vc			vc		vc											D	
<i>Alyxia buxifolia</i>	r			r	vr				vc					C					

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y								
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D	
^a <i>Amaranthus albus</i>		vr																	
^a <i>Ammophila arenaria</i>	vc			vc	vc				vc					C					
<i>Ampersa xiphoolada</i>	vc	vc	vc	vc		vc	vc	vc	vc			T	H						
<i>Amphibolis antarctica</i>				r					Marine										
<i>Amphibromus nesi</i>	r						vc		C							W			
<i>A. recurvatus</i>	vr						C		vc	vc						W			
<i>Amphipogon striatus</i>								vc	vc	vc			H						
<i>Amyema pendulum</i>	r	vc	C	C	r	r	vr	vr	C	N	F	T	H						
^a <i>Anagallis arvensis</i>	C	r	r	vc	r	r		r	vc									D	
<i>Angianthus preissianus</i>	r								C						M				
<i>Anguillaria dioica</i>	r			r					C				H	C					
^a <i>Anthemis nobilis</i>	r								C										
^a <i>Anthoxanthum odoratum</i>	vc	vc	r	vc	vc	vc	r	r	vc			T	H	C				D	
<i>Aotus erioides</i>	vc	vc					vc	vc	vc			T	H						
<i>Apalochlamys splotabilis</i>	vr													C					
^a <i>Aphanes arvensis</i>		vc	vr		r	vr				N	F								
<i>Aphelia gracilis</i>	C							vc					H						
<i>A. pumilio</i>	r							vc				T	H						
<i>Apium prostratum</i>	C			vc	r				vc					C		W			
^a <i>Aponogeton distachyon</i>					vc											W			
^a <i>Araucaria horticola</i>					vr													D	
^a <i>Arctotheca calendula</i>	r		vr	vr	vr		vc	vr	vc					C				D	
^a <i>Arctotis strobilifolia</i>								r						C				D	
^a <i>Arenaria leptoclados</i>				C										C				D	
<i>Arthrochilus huntianus</i> (F.Muell.) D. Blaxell 11		vr				(+)		vr				F	T	H					
<i>Arthropodium milleflorum</i>				C	C	vc		C	r										
^a <i>Asparagus asparagoides</i>								vr						C					
<i>Asperula conferta</i>	vc			r	r	C	vc	r	r			T	H						
<i>A. gunnii</i>		C		C	C	vc						T							
<i>A. scoparia</i>	r			r					r					C					
<i>A. subsimplex</i> N	r															W			
^a <i>Asphodelus fistulosus</i>									r									D	
<i>Asplenium bulbiferum</i>		C	vc	vc	vc		vc			N	N	F	T						
<i>A. flabellifolium</i>		vc	vc	vc	vc		r		vr	N	N								
<i>A. flaccidum</i> N W			r		vc														
^a <i>Aster subulatus</i>	vr			vc	vc			vc	vc					C				D	
<i>Astroloma humifusum</i>	C			C			r	vc	vc			T	H	C					
<i>Athyrium australe</i>			r	r	r					N				C					
<i>Atriplex cinerea</i>	vr																		
^a <i>A. hastata</i>	r			vc	vc	C			vc					C					
<i>Australina muelleri</i>	vc	vc	vc	vc	vc					N	F								
<i>A. pusilla</i> N W				vr										C					
^a <i>Avellinia michelii</i>				vc															
^a <i>Avena sativa</i>							vc	vc		vr				C		W		D	
<i>Asolla filiculoides</i>																			
<i>Baselia ramosissima</i>	r	vc	vc			C	vc	C	vc			T	H	C					
<i>Banksia marginata</i>	vc			vc															
<i>Bauera rubioides</i>	vc	vc		vc	vc			vc	vc				H			W	S		
<i>Baumea acuta</i>	vc	vc		vc	vc											W			
<i>B. gunnii</i>	C						r									W			
<i>B. juncea</i>	vc	vc		r					C				H						
<i>B. laxa</i> N E	r															W			
<i>B. rubiginosa</i>	vc						vc									W			
<i>B. tetragona</i>		vc		C	vc	vc										W			
<i>Bedfordia arborescens</i> Hochr. W	r	vc	vc	vc	vc	vc		C	r	N	F								

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y								
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D	
* <i>Bellis perennis</i>		C	vr	vc	c													D	
<i>Beyeria leschenaultii</i>	C			vc	vc									C					
<i>Billardiera longiflora</i>		vr	c	vc	c	r	r			N	F								
<i>B. scandens</i>	r	vr		c	r	vr	r	r	vc			T	H						
<i>Blechnum cartilagineum</i> W 14b																			
<i>B. chambersii</i>	r	C	r	C	C	vc	C		vr	N	F					W			
<i>B. fluviatile</i> W		vc	C	C	vc	C				N	F								
<i>B. minus</i>		vc	C	C	C	r	r			N	F								
<i>B. nudum</i>	vc	vc	vc	vc	vc	vc	vc	vc	vc	N	F					W			
<i>B. patersonii</i> W 14c																			
<i>B. wattsi</i>	C	vc	vc	vc	vc	vc	r			N	F					W			
<i>Boronia muelleri</i> N W			vc	vr								T					S		
<i>B. nana</i>	C	C				r		vr	vr				H						
<i>B. parviflora</i>	vc	C		vc									H			W			
<i>Bossiaea cinerea</i>	vc	vc	vc	vc					r				H				S		
<i>B. cordigera</i>					C							T							
<i>B. prostrata</i>	vc			vc			vc	C	vc				H	C					
<i>Brachycome cardiocarpa</i>	vr							r	vr							W			
<i>B. diversifolia</i>				r										C					
<i>B. graminea</i>				vr					vr							W			
<i>B. multifida</i>	r							C	vc			T	H						
<i>B. parvula</i>	r			C					C					C					
<i>B. perpusilla</i>	vr													C					
<i>B. uliginosa</i>								vc	vc				H			W			
<i>Brachyloma ciliatum</i>	vc	vc		r		C		vc					H			W			
* <i>Briza maxima</i>	r		r	r					vc			T		C				D	
* <i>B. minor</i>	vc	vr	r	vc	C	r		C	C					C				D	
* <i>Bromus diandrus</i>				r										C				D	
* <i>B. mollis</i>				r	r			vr						C					
* <i>B. sterilis</i>				vc	r			vr						C					
* <i>B. unioloides</i>	vr			C	C			vr	C					C				D	
<i>Brunonia australis</i>	vc			C		r	C	vc	vc			T	H						
<i>Bulbine bulbosa</i>	r			r	r				r			T							
<i>B. semibarbata</i>	r																		
<i>Burchardia umbellata</i>	vc	vc		vc	r	C	vc	vc	vc			T	H	C		W			
<i>Burnettia cuneata</i> 8		r														W			
<i>Bursaria spinosa</i>	r	r		vc	vc	vr	r	vr	vc			T	H	C					
<i>Caesia parviflora</i>	C							r	r				H						
* <i>Cakile edentula</i>				vr	r									C					
* <i>C. maritima</i>				vc	vc				vc					C					
<i>Caladenia angustata</i>	vr	r						r	r			T	H						
<i>C. caerulea</i>								vr	r				H						
<i>C. carnea</i>	vc	vc		C	r	vr	C	C	vc	N		T	H						
<i>C. carnea</i> var. <i>pygmaea</i>		r						vr					H						
<i>C. clavigera</i>	vr								r				H						
<i>C. clavigera</i> X <i>C. dilatata</i>									vr				H						
<i>C. congesta</i>	r	vr							vr			T							
<i>C. deformis</i>	r	C							vc				H						
<i>C. dilatata</i>	r	C		r			r	C	vc			T	H						
<i>C. dilatata</i> X <i>C. patersonii</i>									vr				H						
<i>C. filamentosa</i>	r	r							(vr)				H						
<i>C. iridescens</i>	vr	vr						r	r			T	H						
<i>C. latifolia</i>	vc			r					vc					C					
<i>C. menziesii</i>	vc	r		r			r	vc	vc			T	H						
<i>C. pallida</i> 9c					(+)														
<i>C. patersonii</i>	r							vr	C				H						

Floristic Check-list of the Otway Region (continued)

SPECIES	BLOCK										COMMUNITY								
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D	
<i>C. patersonii</i> var. <i>concolor</i>									vr				H						
<i>C. patersonii</i> X <i>C. reticulata</i> 11									(vr)				H						
<i>C. patersonii</i> X <i>C. tessellata</i>									vr				H						
<i>C. reticulata</i>	vc	c		vr				vr	r				H						
<i>C. sp.</i> 5									vr				H						
<i>C. tessellata</i>									c				H						
<i>C. X tutselata</i>									vr				H						
<i>Calandrinia calypttrata</i>									vr				H						
<i>Calcana major</i>	r	c						r	c			T	H						
* <i>Callistemon rigidus</i> R.Br., A				r			vr		c				H						
<i>Callitriche brachycarpa</i>																w			
<i>C. muelleri</i> 3																w			
* <i>C. stagnalis</i>	r	r		r	c	r										w			
<i>Calocephalus brownii</i>	c			vc	vc				vc						c				
<i>C. laetus</i>	r								vr										
<i>Calochilus campestris</i>	r	r							r				H						
<i>C. herbaceus</i> Lindl. 14									vr				H						
<i>C. imberbis</i>									vr				H						
<i>C. paludosus</i>	r	r		vr					r				H			w			
<i>C. robertsonii</i>	r	r		vr		vr		vr	c			T	H						
<i>Calystegia marginata</i>			r	vr	vr	r				n	f								
<i>C. sepium</i>	r	vr		r					r							w		d	
<i>Calytix tetragona</i>								c					H						
<i>Cardamine diotyosperma</i>				r						n	f								
<i>C. hirsuta</i>	r			vr	c	vr			c									d	
<i>C. stylosa</i> N W				vr		vr				n									
<i>C. tenuifolia</i>	vr				vr							T							
* <i>Cardaria draba</i> 10																			
* <i>Carduus pycnocephalus</i>				vr														d	
* <i>C. tenuiflorus</i>	r			c	r	c			r	r				c				d	
<i>Carex appressa</i>	r	c	c	c	r	c		r	r	n	f					w			
<i>C. bichenoviana</i>																w			
<i>C. breviculmis</i>	c			vc										c		w			
<i>C. brownii</i>	vr													c		w			
<i>C. fascicularis</i>				vr	vr	r				n	f					w			
<i>C. gaudichaudiana</i>	r							vc								w			
<i>C. gunniana</i>	vr			vr												w			
<i>C. inversa</i> 14c	(+)			vr	r									c					
<i>C. inyx</i> N				vr												w			
<i>C. pumila</i>				c	c									c					
* <i>Carpobrotus edulis</i>								vr	r									d	
<i>C. rossii</i>	c			c	c				vc										
<i>Cassinia aculeata</i>	vc	r			vr				r				H						
<i>C. arcuata</i> N									vr			T							
<i>Caseytha glabella</i>	c	c		c		r		vr	c	vc			T	H					
<i>C. melantha</i>	vr	vr		r	r			vr	c	c			T	H	c				
<i>C. pubescens</i>	c	c		r		c		vr	r	c			T	H					
<i>Casuarina littoralis</i>								vr	vc				T						
<i>C. paludosa</i>	vc	vc		vc			vc	vc	vr				H			w			
<i>C. pusilla</i>								c	vc				H						
<i>C. striata</i>	r			vc	r				c					c					
* <i>Catapodium rigidum</i>				vc	vr				c					c					
<i>Caustis flexuosa</i> W 14c					c	c			c										
<i>C. pentandra</i>		vc							vc			T	H						
<i>C. restiacea</i>													H						
* <i>Centaurium minus</i>	vc	r	vc	vc	c	r	c	r	vc	n	f	T	H	c	m			d	

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y								
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D	
<i>C. macrantha</i>	r			c	vr			vc	c					c					
<i>C. pedicellosa</i> N								c				T	H						
<i>C. peduncularis</i>	r			vc	r				c			T	H	C		W			
<i>C. sieberana</i>	c																		
* <i>Crataegus</i> sp. (see 10)																			
* <i>Crepis capillaris</i>		r	r	vr	vr	r	vr	vr	vr	N	F	T						D	
* <i>Crocosmia aurea</i>				r	r				r									D	
<i>Cryptandra tomentosa</i>									c				H						
<i>Cryptostylis subulata</i>	c	r			r		r		c		N	F				W			
<i>Ctenopteris heterophylla</i> W		c	vc	vc	c	c			c										
<i>Culcita dubia</i>	vc	c	r	c	c	vr	vc		c		F	T							
* <i>Cupressus macrocarpa</i>					c				r					C					
<i>Cyathea australis</i>	r	c	vc	vc	vc	vc		vr	c	N	F	T							
<i>C. cunninghamii</i> N W			vr	vr						N									
<i>C. marcescens</i> N W			vr	vr						N									
<i>Cyclosorus nymphaealis</i> N W 12,14c																W			
<i>C. penniger</i> N 12, 14c																W			
<i>Cymbonotus preissianus</i>	c	r		c	r	c	c	c	c			T	H	C				D	
<i>Cynodon dactylon</i>	r			c					c					C					
<i>Cynoglossum australe</i>	c			r					r					C					
<i>C. latifolium</i>	r		c	vc	r	c			c	N	F	T				W			
<i>C. suaveolens</i>				c	vr				c				H	C					
* <i>Cynosurus cristatus</i>	vr			r					r	N			H					D	
* <i>C. echinatus</i>				r					r									D	
* <i>Cyperus eragrostis</i>	vr		c	vr	vr	vr			vc							W		D	
<i>C. lucidus</i>				c					r							W			
<i>C. tenellus</i>	vc	r		c	r	r		vc	vc				H			W			
* <i>Dactylis glomerata</i>	r	vc		vc	r	vr			c			T	H					D	
<i>Danthonia caespitosa</i>		r		vc								T		C					
<i>D. eriantha</i>	r													C					
<i>D. geniculata</i>	r					r	r		c			T	H	C					
<i>D. laevis</i>					r								H						
<i>D. longifolia</i> N				r		c					F		H	C					
<i>D. pallida</i>								c					H						
<i>D. psnicillata</i>	c			vc	c	vc		vc	c	N	F	T	H						
<i>D. pilosa</i>	c					c						T							
<i>D. procera</i>	vc			c		r						T	H						
<i>D. racemosa</i>	r								r					C					
<i>D. semiannularis</i>	vc			c	c	r	r	r	r				H						
<i>D. setacea</i>	r	c		c		r		vc	c			T							
* <i>Datura</i> sp. 10																			
* <i>Daucus carota</i>	vr																	D	
<i>D. glochidiatus</i>	r			vc	vr				r					C					
<i>Daviesia brevifolia</i>								c	vc				H						
<i>D. latifolia</i>	r											T							
<i>D. ulicifolia</i>	r					r			c			T	H						
<i>D. virgata</i>					vr			c	vr										
<i>Dennstaedtia davallioides</i> W 15			r	r	c			+		N									
* <i>Desmazeria acutiflora</i>	r								r			T		C					
<i>Desmodium varians</i> N					c									C					
<i>Deyssia brachyathera</i> N						c				N		T							
<i>D. contracta</i> N W		r			vr							T	H						
<i>D. decipiens</i> (F.Muell.) J. Vickery N																			
<i>D. densa</i>	c	r		vc		r	c					T	H			W			
<i>D. minor</i>		vr														W			

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y									
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D		
<i>Geranium molle</i>				VC	VR	VC												D		
<i>G. potentilloides</i>	C	VC	C	C	VC	VC	C			N	F	T		C						
<i>G. solandieri</i>			T	VC	VC	T					F	T		C						
<i>Gleichenia dicarpa</i>	VC	VC	T	T	C	VC	C		C	N			H			W	S			
<i>G. microphylla</i>			T	C	C	VR	VR	VR	C	N			H			W	S			
<i>Glossodia major</i>	VC	VC		T	C		C		VC			T	H							
<i>Glyceria australis</i>	C			C	C	C			VC				H			W				
<i>Glycine clandestina</i>				T	T				C			T	H	C						
<i>G. latrobeana</i>	T													C						
<i>Gnaphalium candidissimum</i>	VC	C	T	VR		T	VR	VR	VC				H					D		
<i>G. gymnoscephalum</i> DC.	VC	C	C	C	VC	C	VC	VC	C	N	F	T	H							
<i>G. indutum</i>	C			VR										C						
<i>G. luteoalbum</i>	VR	VR	T	T	T	VR	VR		VC		F	T	H	C				D		
<i>G. purpureum</i>	T	T	T	T	T	T	T	T	T	N	F	T	H							
<i>G. sphaericum</i> Willd.	C	T		C	C	T		VR			F	T	H							
<i>G. spicatum</i>		VR														W				
<i>Gompholobium scostatum</i>	T	C		VR		T		C	C				T	H						
<i>G. husgelii</i>	T	C						T	(VR)				H							
<i>Goodenia geniculata</i>								VC	C				T	H						
<i>G. humilis</i>	VC						C	C	C				H			W				
<i>G. lanata</i>	VC	VC	VC	VC	C	C	VC	VC	VC		F	T	H							
<i>G. ovata</i>	VC	VC	VC	VC	VC	VC	C	VC	VC	N		T	H	C						
<i>Goodia lotifolia</i>		VR		C	T	C		C	VR		F	T								
<i>Grammitis billardieri</i>			VC	C	C				T	N										
<i>Gratiola pedunculata</i>	T			VR	T	T	T	T	C							W				
<i>G. peruviana</i>	C															W				
<i>Grevillea aquifolium</i> N E								C	C				T	H						
<i>Gymnoschoenus sphaerocephalus</i>	VC	VC		VC									H			W				
<i>Gynatrix pulchella</i>	VR	VR	T	T	VR	T			T		F	T						D		
<i>Hakea laurina</i> R.Br. A									(C)											
<i>H. sericea</i>	T	C											H							
<i>H. ulicina</i>	VC	VC		T		C	C	VC	VC			T	H							
<i>Haloragis brownii</i>	VR															W				
<i>H. exalata</i> N E	T													C						
<i>H. micrantha</i>	VC	C	C	C	VC	VC	T	VC	VC				H			W	S			
<i>H. tetragyna</i>	VC	VC	VC	VC	VC	VC	VC	VC	VC			T	H							
<i>H. teucrioides</i>	VC	VC	VC	VC	VC	VC		T	VC		F	T	H							
<i>Hedera helix</i>					VR	VR												D		
<i>Hedycarya angustifolia</i>	T	VC	VC	VC	VC	VC				N	F									
<i>Helichrysum apiculatum</i>	C			VC					T				H	C						
<i>H. blandowskianum</i> E		VC																		
<i>H. dendroideum</i>	VC	VC	VC	VC	VC	VC	C	VC	VC	N	F	T	H	C						
<i>H. leucopsideum</i>	C			VR	T				T				H	C						
<i>H. oboordatum</i>									VR				H							
<i>H. obtusifolium</i>	T	C						VC	VC			T	H							
<i>H. paraliun</i>	C			VC	C				VC											
<i>H. rogersianum</i> N W		C	T						VC		F			VC						
<i>H. rosmarinifolium</i>	T	T		VR			T		VR							W				
<i>H. scorpioides</i>	VC	VC	C	C	C	T	VC	VC	VC		F	T	H							
<i>H. semipapposum</i>				C	VC	T		VC	VR											
<i>Hemarthria uncinata</i>	VC	T		VC				VC	C							W				
<i>Hemichroa pentandra</i>									C						M					
<i>Heterozostera tasmanica</i> 3													marine							
<i>Hibbertia acicularis</i> W		C											H	C						
<i>H. aspera</i>	C			T																
<i>H. empetrifolia</i> (DC.)Hoogland	VC	VC										T	H							

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y								
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D	
<i>Hibbertia fasciculata</i>	VC	VC		C				VC	VC				H			W			
<i>H. procumbens</i>	C	C		C	r	C	r						H						
<i>H. sericea</i>		r		C					VC			T	H						
<i>H. stricta</i>	VC	C		C			C	VC	VC			T	H						
<i>Histiopteris incisa</i>	VR	VC	C	VC	VC	VC		VR	VR	N	F								
* <i>Holcus lanatus</i>	r	VC	C	VC	VC	VC	C	C	VC					C		W		D	
* <i>Homeria breyniana</i> 10																			
* <i>Hordeum hystrix</i> 14c									(+)										
* <i>H. leporinum</i>	r			r	r									C					
<i>Hovea heterophylla</i>								C	C				H						
<i>Hydrocotyle callioarpa</i>	C					VR		VC					H						
<i>H. capillaris</i>	C			r										C					
<i>H. foveolata</i>	C			r	r			VC					H						
<i>H. hirta</i>	r	VC	C	VC	VC	C		C	C	N	F								
<i>H. laxiflora</i>				VC	VC			C	C			T							
<i>H. muscosa</i>	r															W			
<i>H. pterocarpa</i>	r											T							
<i>H. sibthorpioides</i>	r			r		r	r	VC	N					C		W			
<i>Hymenolobus procumbens</i>	r													C					
<i>Hymenophyllum australe</i>			VC	VC	VC				N										
<i>H. cupressiformis</i>		C	VC	VC	VC	VC			N	F								D	
<i>H. flabellatum</i>			VC	VC	VC				N	N									
<i>H. rarum</i>		r	r	C	C				N	N									
* <i>Hypericum androsaemum</i>	r	r	C	C	r				N	N	F							D	
<i>H. gramineum</i>	VC	r	r	r	VC	r	r	VC	VC		F	T	H	C		W	S		
<i>H. japonicum</i>				r	VR	VR		r											
* <i>Hypochaeris glabra</i>				VC	VC	VC	VC	VC	VC									D	
* <i>H. radioata</i>	VC	VC	C	VC	VC	C	C	VC	VC					C				D	
<i>Hypolaena fastigiata</i>	VC	VC		C				VC	VC				H						
<i>Hypolepis australis</i> N W 15		+	+	+	+				+	N	N								
<i>H. punctata</i>		+	+	+	+					N	N								
<i>H. rugosula</i> 6 15		+	+	+	+					N	N								
<i>Hypoxis glabella</i>	r							C	C			T							
<i>H. hygrometrica</i>	r			C									H	C					
<i>H. pusilla</i>								r					H						
<i>Imperata cylindrica</i>	r			C	r			r	VC					C					
<i>Indigofera australis</i>	VR			VR	VR	r	VR	r	C			T	H						
* <i>Inula graveolens</i>									VC									D	
* <i>Iris germanica</i>					VR													D	
<i>Isachne globosa</i> N 14c	(+)			C												W			
<i>Isoetes drummondii</i>	r							r								W			
<i>Isopogon ceratophyllus</i>	VC	VC					r	VC	VC			T	H						
<i>Isotoma fluviatilis</i>	r							r	r							W			
* <i>Ixia maculata</i>								C										D	
<i>Ixodia achilleoides</i>									VC			T	H	C					
<i>Juncus amabilis</i> Edgar	r			r												W			
* <i>J. articulatus</i>	C	r	r	C	C	r	r		C							W		D	
<i>J. bufonius</i>	C	VC	r	VC	VC	C	r	C	VC				H			W		D	
* <i>J. bulbosus</i>	VC					VR	C	C	r					C		W		D	
<i>J. caespiticius</i>	C			C								T		C		W			
* <i>J. capitatus</i>	r	r		VC	r	r		VC	VC				H					D	
<i>J. gregiflorus</i>					r						F								
<i>J. holoschoenus</i>	r		r	C	r	r	r	C	C							W		D	
<i>J. homalocaulis</i>					VR								H						
<i>J. kraussii</i> Hochst.	VC			VC	C				VC					C	M				
<i>J. pallidus</i>	C	r	VR	r	r	r	VR	r	VC	N	F	T	H			W		D	

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y									
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D		
<i>Junous pauciflorus</i>	C		r	C	r	r	vr		vc				T	H	C					
<i>J. planifolius</i>	vc	vc	r	C	C	r	C	vc	vc				T	H	C		W			
<i>J. procerus</i>	C			r	C	r	C		vc								W			
<i>J. sarophorus</i>	r	r		r	vr	r			vc									D		
<i>J. subseoudus</i>				r	r		vr													
<i>Kennedia prostrata</i>	r			vc		C	r	C	vc				T	H	C			D		
* <i>Kiokzia spuria</i>				r																
* <i>Koeleria phleoides</i>				vc											C					
<i>Lagenophora gracilis</i>	C			vc			vc	C	C		F	T								
<i>L. stipitata</i>	C			vc	r	r			r		F	T	H					D		
* <i>Lagurus ovatus</i>				vc		r			vc						C					
<i>Lasiopetalum baueri</i>	vc								vc						C					
<i>L. sohulsenii</i> N E	vr														C					
<i>Lastreopsis hispida</i> W			r	vc						N										
<i>L. shepherdii</i>				vc	vc															
* <i>Lavatera arborea</i>	vr				r										C			D		
<i>Lawrenca spicata</i>	vr								vr							M				
<i>Lazmannia sessiliflora</i>	r	C		r		vr		vc	vc				H							
<i>Lemna minor</i>				(vc)		vc											W			
<i>L. trisulca</i> 13																	W			
* <i>Leontodon taraxacoides</i>	vc	r		vc	r	r	C	r	vc									D		
<i>Lepidosperma obovatum</i>	vc	vc		C		C		vc	vc				H	H						
<i>L. congestum</i> N									r											
<i>L. elatius</i>	r																			
Distribution uncertain because of confusion with <i>L. laterale</i>																				
<i>L. filiforme</i>	vc	vc		vc			vc	vc	vc				H							
<i>L. gladiatum</i>	vc			vc	vc			vc	vc				H	C						
<i>L. laterale</i>	vc	C	vc	vc	vc	C	vc	r	vc				H				W			
<i>L. lineare</i>	vc						r	vr	vc				H				W			
<i>L. longitudinale</i>	vc			vc			vc	vc	vc								W			
<i>L. neesii</i> N	C							C					H							
<i>L. semiteres</i>	C					C		vc	vc				H							
<i>Lepilaena bilocularis</i>				C													W			
<i>Leporella fimbriata</i> (Lindl.) A.S. George									C				H							
<i>Leptocarpus brownii</i>	C								C				H				W			
<i>Leptorhynchos gatesii</i> N 14b					(+)															
<i>L. linearis</i>							vr	C					H							
<i>L. squamatus</i>	C			vc					C				H	C						
<i>L. tenuifolius</i>	C												H							
<i>Leptospermum glabrescens</i> N	r	C					C										W			
<i>L. juniperinum</i>	vc	vc	C	vc	vc	vc	vc	vc	vc			T	H				W	S		
<i>L. laevigatum</i>				r	r				vc					C						
<i>L. lanigerum</i>	C			vc	vc				vc								W			
<i>L. myrsinoides</i>	vc	vc		C		vc	C	vc	vc				H							
<i>L. scoparium</i>	vc			vc	vc						F	T								
<i>Lepyrodia muelleri</i>							r										W			
* <i>Leucojum aestivum</i>		C	C		vc		C											D		
<i>Leucopogon australis</i>	C	C		vc									H				W	S		
<i>L. ericoides</i>	r	vc											H							
<i>L. glacialis</i> E								vc	vc				T	H						
<i>L. lanceolatus</i>	vr																W			
<i>L. parviflorus</i>	C			vc	vc				vc				T		C					
<i>L. virgatus</i>	C	vc		r		C	C	vc	vc				T	H						
<i>Levenhookia dubia</i>									vr								W			
* <i>Leycesteria formosa</i>			r															D		
* <i>Ligustrum vulgare</i>				vr														D		
<i>Lilaeopsis polyantha</i>	r																W			

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y									
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D		
<i>Limosella australis</i>	C																			
<i>Lindeaea linearis</i>	VC	VC		VC		VC	VC	VC	VC			T	H			W				
<i>Linum marginale</i>	r			vr	vr				vr					C						
<i>Lissanthe strigosa</i> N									C			T								
<i>Lobelia alata</i>	C	vr	r	C	vr				C					C		W				
<i>L. gibbosa</i>	r	r		C	r	r	vr		vr		F	T	H	C						
<i>L. pratioides</i>				C				r						C						
<i>L. rhombifolia</i>								vr	vr			T	H							
<i>Logania ovata</i> N E	r													C						
* <i>Lolium perenne</i>	r	C		C	r	vr		vr	VC									D		
<i>Lomandra filiformis</i>	VC	C		r	r	r	C	VC	VC			T	H							
<i>L. glauca</i>	r							r	r			H	H							
<i>L. longifolia</i>	VC	VC	VC	VC	VC	VC	VC	VC	VC		F	T	H							
<i>L. miorantha</i>	r							r	VC				H							
<i>L. multiflora</i>				r	r				VC			T	H							
<i>Lomatia fraseri</i> W			r	r	r	vr				N	F									
<i>L. ilioifolia</i> W						C		VC	C			T	H							
<i>Lonicera japonica</i>					vr													D		
<i>Lotus australis</i>	r			vr										C						
* <i>L. hispidus</i>	C	C	r	VC	r	C					F	T						D		
* <i>L. pedunculatus</i>	C	C	r	VC	C	r	vr	vr	VC									D		
<i>Luzula meridionalis</i> Nordenskiöld	r	r	r	C	VC	C	r	C	VC		F	T	H							
* <i>Lycium ferocissimum</i>				vr	r				r					C				D		
<i>Lycopodium deuterodenseum</i>	C	C				r							H							
<i>L. laterale</i>		VC														W				
<i>L. varium</i> N 14b			+	vr						N										
<i>Lycopodium australe</i>				VC												W				
<i>Lyperanthus nigricans</i>								C	VC			T	H							
<i>L. suaveolens</i> N W									vr				H							
* <i>Lythrum flexuosum</i>	vr								VC					C						
<i>L. hyssopifolia</i>	r	C		r	r	vr		vr	VC							W		D		
<i>L. salicaria</i>				vr												W				
* <i>Malus sylvestris</i>		vr		vr	vr		vr		vr	N	F	T						D		
* <i>Malva nicaeensis</i>	vr			vr	vr							T								
* <i>M. parviflora</i>				vr														D		
<i>Marrubium procumbens</i>		C						C	C			T	H							
* <i>Marrubium vulgare</i>	vr			vr									H							
* <i>Mattiola inoana</i>				vr										C						
<i>Masus pumilio</i>	r			C				r	r							W				
* <i>Medicago arabica</i>					vr			vr						C						
* <i>M. lupulina</i>	VC			VC	VC									C				D		
* <i>M. polymorpha</i>				r	vr															
<i>Melaleuca lanosolata</i> 14a				(+)					C					C	M	W				
<i>M. squamea</i> N E	VC	C							vr											
<i>M. squarrosa</i>	VC	VC	C	VC			VC		VC			T	H			W	S			
* <i>Melilotus indica</i>				VC	r				C					C				D		
<i>Mentha diemenica</i>				(vr)										C						
<i>M. laxiflora</i>	C	C		VC	VC	VC		C	C	N	F									
* <i>M. rotundifolia</i>				r														D		
* <i>M. spicata</i>		vr		r														D		
<i>Microlasna stipoides</i>	VC	r		C	C	C	VC	VC			F	T	H							
<i>Microlepidium pilosulum</i> F. Muell. N E				r										C				D		
<i>Mioroseris soapigera</i>	C							C	VC				H							
<i>Miorosorium diversifolium</i>		VC	VC	VC	C	C			C	N	F	T								
<i>Miorotis oblonga</i>	C	C		(vr)												W				
<i>M. parviflora</i>	C	r							r				H							

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y									
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D		
<i>Microtis unifolia</i>	vc	c		vc	vr	vr			vc			T	H							
<i>Mimulus repens</i>	r			c					r					C		W				
* <i>Minuartia hybrida</i>														C		W				
<i>Mitrasacme distylis</i>	c							r								W				
<i>M. paradoxa</i>	r													C						
<i>M. pilosa</i>	r	vc		vr		r	vr	vr	vr				H	C						
<i>M. pilosa</i> var. <i>stuartii</i> N		r		vr									H							
* <i>Modiola caroliniana</i>					vr		vr		c									D		
* <i>Moenchia erecta</i>	c			r			vr							C			S			
<i>Monotoca elliptica</i> (?W)	c	c	c	vc		c		vc	vc			T	H							
<i>M. scoparia</i>	r	c							c							W				
<i>Montia australasica</i>	r								c											
<i>M. fontana</i>	r		vr		vr											W				
<i>Mushlenbeckia adpressa</i>	vr			vr					vc					C						
<i>Muellerina eucalyptoides</i>	vr			r		r			r			T	H	C						
<i>Myoporum insulare</i>	r			c	vr				c					C						
<i>M. viscosum</i>	c				r	r			c					C						
<i>Myosotis australis</i>				c	r	r			r					C						
* <i>M. sylvestica</i>			r		r											W		D		
<i>Myriophyllum amphibium</i> N									r											
<i>M. elatinoides</i>				r												W				
<i>M. integrifolium</i>	r							r								W				
<i>M. pedunculatum</i> N							vc									W				
<i>M. propinquum</i>	vc			r		r	r	r	vc							W				
* <i>Nasturtium officinale</i>		r	r	c	vr	r								C		W		D		
<i>Nertera reptans</i>	c			r			c						H							
<i>Notelaea ligustrina</i>	c	vc	c	vc	vc	c				N	F									
<i>Nothofagus cunninghamii</i> W			c	c	c					N										
* <i>Oenothera stricta</i>									c					C				D		
<i>Olearia argophylla</i>	r	vc	vc	vc	vc	vc			vr	N	F			C						
<i>O. axillaris</i>	r			c					vc					C						
<i>O. ciliata</i> N		r							vr				H							
<i>O. erubescens</i>	r		vr			r			r			T	H			W				
<i>O. glandulosa</i>				vr			vr													
<i>O. glutinosa</i>				vc										C						
<i>O. lanuginosa</i> - <i>O. lepidophylla</i> complex N				r										C						
<i>O. lirata</i>	c	c	c	vc	vc	vc	vr	vr	c	N	F	T	T							
<i>O. myrsinoides</i>							vr	c	c			T	T							
<i>O. pannosa</i>									vr			T	T							
<i>O. phlogopappa</i>	c	vc	c	vc	vc	c	r	r	r		F	T	H	C						
<i>O. ramulosa</i>	vc	vr		c	vr	vr	vr	vc	vc			T	H							
<i>O. speciosa</i>	c			r	c		r					T	H							
<i>O. teretifolia</i> N								c	vc				H							
<i>Opercularia ovata</i>								r	r				H							
<i>O. varia</i>	r	r		r		vr	r	c	vc			T	H							
<i>Ophioglossum coriaceum</i>									vr				H							
<i>Orthoceras strictum</i>	c	r			vr				r				H			W				
<i>Orthrosanthus multiflorus</i> N E	vr													C						
<i>Ottelia ovalifolia</i> 13							+									W				
<i>Oxalis corniculata</i>	c	r	r	c	c	r	vr	r	vc			T	H							
* <i>O. incarnata</i>							vc											D		
* <i>O. psocapras</i>							vc		vc									D		
* <i>O. purpurea</i>							vc		c									D		
<i>Paracaleana minor</i> (R.Br.) D. Blaxell		vr							vr				H							
<i>Parahebe derwentiana</i> (Andr.) B. Briggs et Ehrend.	r			c	vc	vr	c		c		F	T								

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y									
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D		
<i>Parahebe perfoliata</i> (R.Br.) B.Briggs et Ehrend.									vr				H							
* <i>Parapholis incurva</i>				vc	r				c					C						
* <i>P. strigosa</i>				r					c						M					
* <i>Pareniucellia latifolia</i>	vr			c	vr			r	c				H	C				D		
* <i>P. viscosa</i>	vc	c	c	r	c	r			c	N	F	T	H					D		
<i>Parietaria debilis</i>				vc										C						
<i>Parsonia brownii</i> W			vr	vr						N										
* <i>Paspalum dilatatum</i>	r	vr	r	r	vr	r		vr	c									D		
<i>P. paspalodes</i> (Michx.) Scribn.				c												W				
<i>Patersonia fragilis</i>	vc	vc		vc	vc	c	vc	v	vc				H			W	S			
<i>P. occidentalis</i> R.Br.	vc			vc	c				r				H							
* <i>Pelargonium X asperum</i>			r						vr									D		
<i>P. australe</i>	r	r		r	vr	vr		vr	c			T		C						
<i>P. inodorum</i>	vr			r	r	vr				N										
<i>P. littorale</i> N	vr			vr	vr									C						
<i>P. rodneyanum</i>									vr				H							
<i>Pellaea falcata</i>				c	vc		r		c	N	F									
* <i>Pennisetum clandestinum</i>	r			c					vc									D		
<i>Pentapogon quadrifidus</i>	vc			r			r	r	vc			T								
<i>Persoonia juniperina</i>	r	r		r		r	vr	vc	c			T	H							
* <i>Petrorhagia prolifera</i>				vc														D		
* <i>P. velutina</i>				vc														D		
* <i>Phalaris minor</i>	c			r	r				r									D		
* <i>P. aquatica</i> L.					r		vc		r									D		
<i>Phebalium equameum</i> N W	vr	vc	vc	vc	vc	vc				N	F									
* <i>Phormium tenax</i>				vr	vr				vr									D		
<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	vc	vc		vc	r		vc	vc	vc				H	C		W				
<i>Phyllanthus gunnii</i> N									vr		F									
<i>P. hirtellus</i>									c				H							
<i>Phylloglossum drummondii</i>	c	r						r	c				H			W				
* <i>Physalis peruviana</i>				r							F									
* <i>P. viscosa</i>				vr														D		
* <i>Picris echioides</i>	c			r	r													D		
* <i>P. hieracioides</i>				c										C				D		
<i>Pimelea axiflora</i>		c	vc	vc	vc	vc				N	F									
<i>P. flava</i>		vr			vr	vr					F									
<i>P. glauca</i>	c	r		vc					c			T	H	C						
<i>P. humilis</i>	vc	c		c		vr	vr	vc	vc				H							
<i>P. ligustrina</i>	r	r	c	r	c	vc	c				F									
<i>P. linifolia</i>	r	c		c		r		c	c			T	H							
<i>P. octophylla</i>	r							r	c				H							
<i>P. phylloides</i>						r		vc	c				H							
<i>P. serpyllifolia</i>									vc					C						
* <i>Pinus pinaster</i>				vr		vr			vc				H					D		
* <i>P. radiata</i>	vc		c	r	c	c		c	vc			T	H					D		
<i>Pittosporum bicolor</i> W		c	c	r	r					N	F									
* <i>P. undulatum</i>				r	r				vc				H	C				D		
* <i>Plantago coronopus</i>	vc			vc	r	r		vr	vc		F				M			D		
<i>P. debilis</i>				vr	r															
* <i>P. lanceolata</i>	c	r	c	vc	vc	r	vr	r	vc									D		
* <i>P. major</i>		r	c	c	c	vr			vc									D		
* <i>P. australis</i> Lam. A				r																
<i>P. varia</i>	r			c		vc		vc	vc			T	H	C				D		
<i>Platylobium formosum</i>		vc	c									T								
<i>P. obtusangulum</i>	c	c		vc		c	c	vc	vc			T	H							

FLORISTIC CHECK-LIST OF THE OTWAY REGION

117

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y								
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D	
<i>Pteridium esculentum</i>	VC	VC	VC	VC	VC	VC	VC	VC	VC	N	F	T	H	C			S	D	
<i>Pteris comans</i> W 12 14c			(+)		(+)														
<i>P. tremula</i>					VR				VR		F								
<i>Pterostylis alata</i>	r	r		VR					VR				H						
<i>P. alpina</i>					VR	VR			VR		F	T							
<i>P. concinna</i>									C				H	C					
<i>P. cucullata</i> N				r								T		C					
<i>E. curta</i>									C				H						
<i>P. falcata</i>	VC			C					C							W			
<i>P. falcata</i> X <i>P. nutans</i> N									VR							W			
<i>P. foliata</i>	r	r							VR			T		C					
<i>P. longifolia</i>	VC	C		VR	VR	VR	C	C	VC		F	T	H						
<i>P. nana</i>	C	C		r	C		C		VC			T	H	C					
<i>P. nutans</i>	VC	C		C			r	C	VC			T	H						
<i>P. obtusa</i>			VR	VR	VR	VR		VR		N	F	T							
<i>P. parviflora</i>	r	r	r	r	r	r	VR	r	VC			T	H						
<i>P. pedunculata</i>	C	C	r	VR					r	N			H	C					
<i>P. plumosa</i> L. Cady	C	C		VR				r	C				H						
<i>P. tenuissima</i> E	C								VR							W			
<i>P. vittata</i>	C								C				H						
<i>Ptilotus macrosphalus</i> N									VR				H						
<i>Puccinellia stricta</i>	VR			r					r					C	M				
<i>Pultenaea canaliculata</i> N	r			C	VC	VC	VC		VC	VC		F	T	H	C			S	
<i>P. daphnoides</i>	VC	VC	C	VC	VC	VC		VC	VC					C					
<i>P. dentata</i>	C			C			r		C							W			
<i>P. gunnii</i>						r		VC	r			T	H						
<i>P. humilis</i>				r				VC	VC			T	H						
<i>P. juniperina</i> var. <i>planifolia</i>	VC				VC	VC	C		VC		F	T				W			
<i>P. mollis</i>		r							VC				H						
<i>P. muelleri</i> W	C	r	C										H				S		
<i>P. muelleri</i> var. <i>reflexifolia</i> N W 14d					(+)														
<i>P. prolifera</i>	VC	VC						VC					H						
<i>P. scabra</i>								VC	r			T	H						
<i>P. stricta</i>	VC	r		r			C		C							W			
<i>P. subumbellata</i>		VC														W			
<i>P. tenuifolia</i>	C			VC					C					C					
<i>Ranunculus inundatus</i>	r															W			
<i>R. lappaceus</i>	C			C		C								C					
* <i>R. muricatus</i>		r		C												W		D	
<i>R. papulentus</i>	VR					r		r											
<i>R. plebsius</i>			r	C	C	C		VR	C		F	T	H						
<i>R. pumilio</i>			C	C	C	C		C		N	F								
* <i>R. repens</i>		C	C	C	C	C		C											
<i>R. rivularis</i>	r		r	C	r	r			r							W			
<i>R. sessiliflorus</i>	r				VR	VR					F			C					
* <i>Raphanus raphanistrum</i>					VC	C	C		VC									D	
<i>Restio tetraphyllus</i> 14b		C	+	r					r							W			
<i>Rhagodia baccata</i>	C			C					C					C					
<i>R. hastata</i>									r					C					
<i>R. nutans</i>									C					C					
* <i>Romulea longifolia</i>	r				VC		VC	VC	VC									D	
* <i>Rosa rubiginosa</i>				VR					r									D	
* <i>Rubus cissburisensis</i> 2																		D	
* <i>R. laoniatius</i>				r	VR	VR			VR	N	F	T						D	
<i>R. parvifolius</i>	C	C	VC	C	C	VC	VR	C	VC				H	C					
* <i>R. polyanthemus</i> 2																			

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y									
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D		
⁴ <i>Rubus procerus</i> 2																				
⁴ <i>R. rosaceus</i> 2			(+)	(+)																
⁴ <i>R. selmeri</i> 2					(+)															
⁴ <i>R. ulmifolius</i> 2																				
⁴ <i>R. vestitus</i> 2			(+)				(+)													
<i>Rumex bidens</i> 3									(+)							W				
<i>R. brownii</i>	r	vr	r	r	r	r			r					C		W				
⁴ <i>R. conglomeratus</i>				r	r				C							W		D		
⁴ <i>R. crispus</i>	r	r	r	vc	r	vr	vr		C									D		
⁴ <i>R. obtusifolius</i>		r			r													D		
⁴ <i>R. pulcher</i>				C												W				
⁴ <i>R. sagittatus</i>									r					C						
<i>Rumohra adiantiformis</i>				vc	vc	C				N	F					W				
<i>Ruppia maritima</i>				r																
<i>Rutidosia multiflora</i>	C							vc					H							
<i>Sagina apetala</i>	r			r	r	r	r	r						C				D		
<i>S. procumbens</i>		vr		r	r	r	r		C											
<i>Salicornia blaokiana</i>	r														M					
<i>S. quinqueflora</i>	r			vc	vc				vc					C	M					
⁴ <i>Salix alba</i> X <i>S. fragilis</i>		r					C											D		
⁴ <i>Salpichroa origanifolia</i> 10																				
<i>Sambucus gaudichaudiana</i>	vr	r	r	vr	r	vr			vr	N	F			C			S			
<i>Samolus repens</i>	C			vr	vc				vc					C			S			
<i>Sarcocylus australis</i> N W			vr	r						N										
⁴ <i>Sarothamnus scoparius</i>			r				r											D		
⁴ <i>Scabiosa atropurpurea</i>									C									D		
<i>Scasvola albida</i> N			vr											C						
<i>S. pallida</i>	C			C	vc				vc					C						
<i>Schizaea asperula</i> 14c					vr				+				H			W				
<i>S. bifida</i>	r	r						r					H			W				
<i>S. fistulosa</i>		C			vr			r					H			W				
<i>Schoenus apogon</i>	vc	C	r	C	C	r	C	vc	vc			T	H					D		
<i>S. breviculmis</i> N E								vc	vc				H							
<i>S. brevifolius</i> 14c								(+)												
<i>S. maschalinus</i>	C	vc	C	C	C		vr	r	r	F	T	H								
<i>S. nitens</i>	C			vc				vc						C	M	W				
<i>S. tenuissimus</i>	vc	vc		vc		vc	vc	vc	r				H			W				
<i>S. tesquorum</i>	vc					vc	vc	C	C				H			W				
<i>S. turbinatus</i> N							r	r					H							
<i>Scirpus cernuus</i>	C		r	C				r						C		W				
<i>S. fluitans</i>	C						r	r	r							W				
<i>S. fluviatilis</i>				C												W				
<i>S. hookeranus</i>					vr	vr		r		N			H							
⁴ <i>S. hystrix</i>	r							r								W				
<i>S. inundatus</i>	C	C	r	r	r	C		r	C				H			W		S		
<i>S. marginatus</i> Thunb.	C			vc				r				T	H			W				
<i>S. maritimus</i>	r													C		W				
<i>S. nodosus</i>	vc			vc	vc				vc			T		C						
<i>S. platycarpus</i>				r	vr									C		W				
<i>S. productus</i>	r															W				
<i>S. pungens</i> Vahl	C			r	vr			r						C		W				
<i>S. validus</i>				C					C					C		W				
<i>Soleranthus biflorus</i> N				vr										C						
<i>Soutellaria humilis</i>				r									H	C						
<i>Sebaea albidiflora</i>	C								C						M					

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y									
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D		
<i>Sebasia ovata</i>	C			VC	r	r		r	C				H					D		
<i>Selaginella gracillima</i>	VC							r								W				
<i>S. uliginosa</i>	VC	VC		VC	VC	VC	C	r	VC				H			W				
<i>Selliera radicans</i>	r			r					C					C	M	W				
* <i>Senscio elegans</i>				C					C					C				D		
<i>S. glomeratus</i>	C	r		VC	C	r		VC	VC			T	H	C						
<i>S. hispidulus</i>	C	VC	r	r		VC	r	r	VC			T	H	C						
* <i>S. jacobaea</i>	C	C	C	C	r	r	r	VC	C		F	T						D		
<i>S. laetus</i>	C	VC	r	VC	VC	VC			VC	N	F	T	H	C						
<i>S. linearifolius</i>	VC	VC	VC	VC	VC	VC			C		F	T		C						
* <i>S. mikantoides</i>	VC	VC							r									D		
<i>S. minimus</i>	r	VC	C	VC	VC	VC		C	VC		F	T	H	C						
<i>S. odoratus</i>	C		C	VC	VC	C			VC		F	T		C						
<i>S. quadridentatus</i>	VC	VC			r		C	C	C			T	H	C						
<i>S. squarrosus</i>	r													C						
<i>S. velleioides</i>	VC	r	C	C	C	VC			C	N	F						S			
* <i>Setaria geniculata</i>	VC																	D		
* <i>Sherardia arvensis</i>				C		C				N	F			C				D		
<i>Sigesbeckia orientalis</i>			C	C	C				C					C				D		
* <i>Silene gallica</i>				C																
* <i>S. nocturna</i>	r																	D		
* <i>Silybum marianum</i> 10																				
* <i>Sisymbrium officinale</i>	VC					VC							H							
* <i>Sisyrinchium iridifolium</i>	VC	VC		r	r	VC			C									D		
<i>S. pulchellum</i> (R.Br.) F. Muell. N W			VC							N										
<i>Solanum aviculare</i> W				r	VC						F			C						
<i>S. laciniatum</i>	r		r	r		VC			r	N	F			C				D		
<i>S. linearifolium</i> N W					VC					N										
* <i>S. nigrum</i>	VC	VC	r	VC	VC	r	VC		C									D		
<i>S. opacum</i> A.Br. & Bouché 7			(+)																	
* <i>S. sodomaeum</i> 10																				
<i>Solenogyns bellioides</i>	C							C	C			T	H							
* <i>Soliva pterosperma</i>					VC									C						
* <i>Sonchus asper</i>	r	r		r	VC	r		VC	C		F	T		C				D		
<i>S. hydrophilus</i> Boulos	r														M					
<i>S. megalocarpus</i>	C			C	r				C					C						
* <i>S. oleraceus</i>	r	C	r	r	VC	VC		VC	C			T		C				D		
* <i>Sparaxis tricolor</i>									C									D		
<i>Spergularia media</i>	r								r								S			
<i>Sphaerolobium vimineum</i>	VC	r		VC		r		VC	VC				H							
<i>Spinifex hirsutus</i>	C			C	r				C					C						
<i>Spiranthes sinensis</i> 1									VC							W				
<i>Spirodela oligorrhiza</i>				C	C		VC	C	VC							W				
* <i>Sporobolus africanus</i>				C	C		C	C	VC					C				D		
<i>S. virginicus</i>	C	VC		VC			r		C				H		M	W				
<i>Sprengelia incarnata</i>	VC	VC	C	C	VC	VC			VC		F	T	H							
<i>Spyridium parvifolium</i>	r								C				H	C						
<i>S. vscilliferum</i> E																				
<i>Stackhousia monogyna</i>	r			VC	r	r		C	VC		F	T	H	C						
<i>S. spathulata</i>	C			C										C						
<i>Stellaria filiformis</i>	r			r										C						
<i>S. flaccida</i>	C	VC	VC	VC	VC	VC			C	N	F	T		C						
* <i>S. media</i>		VC	VC	r	r	VC	C		C	VC	N	F	T		C			D		
<i>S. pungens</i>				VC	VC			C	VC											
* <i>Stenotaphrum secundatum</i>			r	VC	r				VC	N	F	T		C				D		
<i>Sticherus lobatus</i> N W										N	F									

Floristic Check-list of the Otway Region (continued)

S P E C I E S	B L O C K										C O M M U N I T Y									
	H	C	R	O	T	P	B	S	A	N	F	T	H	C	M	W	S	D		
<i>*Trifolium repens</i>	C	r	VC	C	C	C	VR	VR	VC									D		
<i>*T. subterraneum</i>	VR			r	VR	VR			VC									D		
<i>*T. tomentosum</i>	r																	D		
<i>Triglochin centrocarpa</i>	C			r					(+)					C						
<i>T. minutissima</i>	r														M					
<i>T. prosera</i>	r		r	VC			r		C					/		W				
<i>T. striata</i>	C			VC			C		VC					C	M					
<i>*Trigonella ornithopodioides</i>					VR	VR		VR						C						
<i>*Tropaeolum majus</i> L. A					r				C									D		
<i>Typha</i> sp. (see 3)	C			C	C	C		VC	C							W				
<i>*Ulex europaeus</i>	r	r	C	C	C	C	C	C										D		
<i>Uncinia tenella</i> W	VC	C	VC	C						N	F									
<i>Urtica incisa</i>		C	C	VC	VC	C			C	N	F			C						
<i>*U. urens</i>									VC					C				D		
<i>Utricularia diohotoma</i>	C	VC		C			C	r	r							W				
<i>U. lateriflora</i>		VC		r	r				r				H			W				
<i>Velleia paradoxa</i>									(vr)				H							
<i>*Verbascum thapsus</i> 10																				
<i>*V. virgatum</i>	r			r	r	r												D		
<i>*Veronica arvensis</i>				C				VR							C			D		
<i>V. calycina</i>	VC			C	VR			r	C			T	H							
<i>V. gracilis</i>	C			VC					C			T	H	C		W				
<i>V. notabilis</i> N W			VR							N										
<i>*V. persica</i>								VR	C									D		
<i>V. serpyllifolia</i> N		r			r					N										
<i>*Vicia angustifolia</i>				VR	VR	r			r									D		
<i>*V. hirsuta</i>				VR														D		
<i>*V. sativa</i>				VR	r	VR												D		
<i>*V. tetrasperma</i>				VR														D		
<i>Villarsia reniformis</i>	VC						C	r	C							W				
<i>Viminaria juncea</i>	r							VR	r							W				
<i>*Vincetoxicum</i>	r	r		r	r		r	VR	r									D		
<i>Viola hederacea</i>	VC	VC	VC	VC	VC	VC	VC	VC	VC	N	F	T	H				S			
<i>*V. odorata</i>	r				VR													D		
<i>V. sieberana</i>	r			VC	r	r	C	VC	C			T	H							
<i>*Vulpia bromoides</i>	r	C		r	r			VR						C						
<i>*V. ciliata</i>				r	r													D		
<i>*V. membranacea</i>				r	r									C						
<i>*V. myuros</i>				C										C				D		
<i>Wahlenbergia gracilentia</i>	r	r		C		r		VC	C		F	T	H	C						
<i>W. gymnoclada</i>	VC			VC		C		VR					H							
<i>W. quadrifida</i>	r	r		r	C	r		r	C			T	H	C						
<i>W. stricta</i>				r	r	VR		C	C				H							
<i>W. tadgellii</i>	r			r	r			r					H							
<i>*Watsonia bulbifera</i>		C	C		C	VC	C	C	C									D		
<i>*W. pyramidata</i>																		D		
<i>Wilsonia baokhousei</i>	C								VR						M					
<i>W. humilis</i>	r														M					
<i>W. rotundifolia</i>	r																			
<i>Wolffia australiana</i>						VC	VC	VC	VC							W				
<i>Xanthorrhoea australis</i>	VC	VC		VC				VC	VC			T	H							
<i>X. minor</i>	VC	VR		r				VC	C			T	H							
<i>Xanthosia dissecta</i>	C	C		r		r	C		C				H				S			
<i>X. pusilla</i>	C	C		C				r	C				H							
<i>Xyris gracilis</i>	VC	VC											H			W				
<i>X. operculata</i>	C	VC		r	C				r				H			W				
<i>*Zantedeschia aethiopica</i>		r	r	VR	VC	r	r	VR	VR							W		D		
<i>Zieria arborescens</i>			VC	r	C	r											S			
<i>Zostera muelleri</i>	C													marine						
<i>Zygophyllum billardieri</i>				C					C					C						